

WE CLAIM:

1. A cleaning sheet comprising a composite of a protrusion containing backing element having a first outer face and a second outer face, and protrusions extending from at least one outer face wherein there the protrusion containing backing element is embedded within a fibrous substrate such that fibers of the substrate are present on both outer faces of the backing element.
2. The cleaning sheet of claim 1 wherein the protrusion containing backing element at least has strand elements containing protrusions.
3. The cleaning sheet of claim 1 wherein the protrusion containing backing element comprises discrete protrusion containing strands.
4. The cleaning sheet of claim 2 wherein the strand elements extend in at least one direction.
5. The cleaning sheet of claim 4 wherein the strand elements extend linearly in at least the at least one direction.
6. The cleaning sheet of claim 4 wherein the strands are mutually parallel and extend in the longitudinal direction of the composite.
7. The cleaning sheet of claim 1 wherein the fibrous substrate is a nonwoven fibrous substrate.
8. The cleaning sheet of claim 7 where in the nonwoven fibrous substrate has a basis weight of from 10 to 500 g/m².
9. The cleaning sheet of claim 7 wherein the nonwoven fibrous substrate is substantially unbonded by secondary bonding means.

10. The cleaning sheet of claim 7 wherein the nonwoven fibrous substrate is an unbonded carded nonwoven substrate.
11. The cleaning sheet of claim 7 wherein the composite is an elastic composite.
12. The cleaning sheet of claim 1 wherein the composite protrusions are 0.10 to 6 mm.
13. The cleaning sheet of claim 1 wherein the protrusions are formed of a thermoplastic polymer.
14. The cleaning sheet of claim 13 wherein the protrusions are formed of polyolefin, polystyrenes, polyesters or polyurethanes, polyvinyl chloride and/or mixtures thereof.
15. 15. The cleaning sheet of claim 14 wherein the thermoplastic polymer further comprises a tackifying resin, a plasticizer, a diluent, a stabilizer, an antioxidant, a colorant or a filler or combinations thereof.
16. 16. The cleaning sheet of claim 7 wherein a second set of strands extend in a direction transverse to the first set of strands and the two sets of strands are joined at their crossover points.
17. 17. The cleaning sheet of claim 16 wherein said second set of strands are mutually parallel and have a first face and a second face and two substantially parallel side faces and are substantially coextensive.
18. 18. The cleaning sheet of claim 16 wherein said second set of strands second faces are attached to said first set of oriented strands at their crossover points.

19. The cleaning sheet of claim 16 wherein said first set of oriented strands occupy a first planar cross-sectional area in the thickness direction of the netting and said second set of oriented strands occupy a second planar cross-sectional area in the thickness direction of the netting.

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20. The cleaning sheet of claim 19 wherein said first and second planar cross-sectional areas are substantially mutually exclusive and abutting.

21. The cleaning sheet of claim 16 wherein said second set of strands have a substantially rectilinear cross-section.

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22. The cleaning sheet of claim 16 wherein said second set of strands are linear.

23. The cleaning sheet of claim 21 wherein adjacent strands of said second set of strands have a substantially identical cross-sectional shape in said first direction.

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24. The cleaning sheet of claim 16 wherein said second set of strands have surface structures on said first faces of the strands.

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25. The cleaning sheet of claim 24 wherein said surface structures are stems extending upward.

26. The cleaning sheet of claim 25 wherein said stem structures have protrusions projecting in at least one direction.

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27. The cleaning sheet of claim 26 wherein said protrusions extend in the direction of the second set of strands.

28. The cleaning sheet of claim 26 wherein said protrusions extend in two or more directions and form a mushroom.

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29. The cleaning sheet of claim 16 wherein said first set of strands have surface structures on said second face of said strands.

5 30. The cleaning sheet of claim 29 wherein said surface structures are stems extending upward.

31. The cleaning sheet of claim 30 wherein said stem structures have protrusions projecting in at least one direction.

10 32. The cleaning sheet of claim 31 wherein said protrusions extend in a direction perpendicular to said first direction.

15 33. The cleaning sheet of claim 16 wherein said first and second set of strands are integrally formed.

34. The cleaning sheet of claim 33 wherein the thermoplastic polymer further comprises a tackifying resin, a plasticizer, a diluent, a stabilizer, an antioxidant, a colorant or a filler or combinations thereof.

20 35. The cleaning sheet of claim 1 wherein there is an additional functional foraminous layer entangled with the fibrous substrate.

25 36. The cleaning sheet of claim 1 wherein the nonwoven is formed of natural fibers.

37. The cleaning sheet of claim 1 wherein the nonwoven is formed of synthetic fibers.

30 38. The cleaning sheet of claim 1 wherein the protrusions are present from about 5 to 80 percent of the surface area of the fibrous substrate.

39. The cleaning sheet of claim 38 wherein the protrusions are present from about 15 to 60 percent of the surface area of the fibrous substrate.

5 40. The cleaning sheet of claim 1 wherein the number of protrusions is from 1 to 1,000 per square centimeter.

41. The cleaning sheet of claim 40 wherein the number of protrusions is from 20 to 50 per square centimeter.

10 42. The cleaning sheet of claim 40 wherein the fibrous substrate is coated or impregnated with an additive.